

This listing of claims will replace all prior version, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) Image recording apparatus suitable for recording traffic signal violations, said apparatus including:

a first telephoto camera focused on a first lane of an intersection controlled by a traffic signal;

a second telephoto camera focused on a second lane of the intersection;

a wide angle camera focused on the intersection;

means for capturing a first image from the wide angle camera substantially at an instant of time that a control signal for the traffic signal changes its status;

means for storing said first image at least temporarily;

means for detecting presence of a vehicle or object beyond a location of the intersection at which said vehicle or object is required to stop in response to said change in status; [and]

means responsive to said detecting means for recording said first image in the event that said detecting means detects presence of said vehicle or object beyond said location; and

means for capturing a second image from the first or second telephoto camera in response to said detecting means.

2. (Original) Image recording apparatus according to claim 1 including means for capturing a second image after a preset time delay following said instant of time.

3. (Currently Amended) Image recording apparatus according to claim 1 including means for [capturing a second image in response to said detecting means] compressing the image size of said first and second image.

4. (Previously Amended) Image recording apparatus according to claim 1 wherein said change in status includes a traffic light signal changing to a redlight.

5. (Currently Amended) Image recording apparatus according to claim [1] 4 wherein [said means for capturing includes] each of said wide angle camera, first telephoto camera, and second telephoto camera comprises a digital camera, and wherein said means for compressing comprises digital compression.

6. (Previously Amended) Image recording apparatus according to claim 1 wherein said means for storing includes a volatile memory such as RAM.

7. (Previously Amended) Image recording apparatus according to claim 1 wherein said means for recording includes WORM type media.

8. (Previously Amended) Image recording apparatus according to claim 1 including means for deleting said first image in the event that said detecting means does not detect presence of said vehicle or object beyond said location.

9. (Previously Amended) Image recording apparatus according to claim 1 wherein said first image shows at least the position of said vehicle or object relative to said location.

10. (Currently Amended) Image recording apparatus according to claim 1 wherein said detecting means includes an inductive loop set below a road surface proximate said intersection.

11. (Currently Amended) Image recording apparatus according to claim 1 wherein said location includes a stop line marked on a roadway proximate said intersection.

12. (Currently Amended) Image recording apparatus according to claim 1 [wherein said first image includes a wide angle image] further comprising means for capturing a third image including an additional wide angle image from the wide angle camera after the capturing of the second image.

13. (Currently Amended) Image recording apparatus according to claim 1 wherein said first image includes an approach to [an] the intersection [of two or more roads].

14. (Currently Amended) A method of recording traffic violations at an intersection controlled by a traffic signal, the method including the steps of:

capturing a [first] image of the intersection from a wide angle camera aimed at the intersection substantially at an instant of time that a control signal changes its status;

storing said first image at least temporarily;

detecting presence of a vehicle or object beyond a location at which said vehicle or object is required to stop in response to said change in status of said traffic signal; [and]

recording said first image in the event that said detecting means detects presence of said vehicle or object beyond said location; and

capturing a second image from a first telephoto camera aimed at a first lane in said intersection or a second telephoto camera aimed at a second lane in said intersection, in response to said detecting means.

15. (Original) A method according to claim 14 including capturing a second image a preset time delay following said instant of time.

16. (Currently Amended) A method according to claim 14 including [capturing a second image in response to said detecting means] the step of compressing the respective image sizes of said first and second image.

17. (Currently Amended) A method according to claim 14 wherein said change in status includes [a] the traffic [light] signal changing to a redlight.

18. (Currently Amended) A method according to claim 14 wherein [said step of capturing is performed with] each of said wide angle camera, first telephoto camera, and said second telephoto camera comprises a digital camera.

19. (Previously Amended) A method according to claim 14 wherein said first image is stored in volatile memory such as RAM.

20. (Previously Amended) A method according to claim 14 wherein said first image is recorded onto WORM type media.

21. (Previously Amended) A method according to claim 14 including the step of deleting said first image in the event that said detecting means does not detect presence of said vehicle or object beyond said location.

22. (Previously Amended) A method according to claim 14 wherein said first image shows at least the position of said vehicle or object relative to said location.

23. (Currently Amended) A method according claim 14 wherein said detecting is performed with an inductive loop set below a road surface proximate said intersection.

24. (Currently Amended) A method according to claim 14 wherein said location includes a stop line marked on a roadway proximate said intersection.

25. (Currently Amended) A method according to claim 14 [wherein said first image includes a wide angle image] further comprises the step of capturing a third image including an additional wide angle image from the wide angle camera after capturing the second image.

26. (Currently Amended) A method according to claim 14 wherein said first image includes an approach to [an] the intersection [of two or more roads].